

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050791

Luminaire Tested: 24PTR-72-PLG-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PLG-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

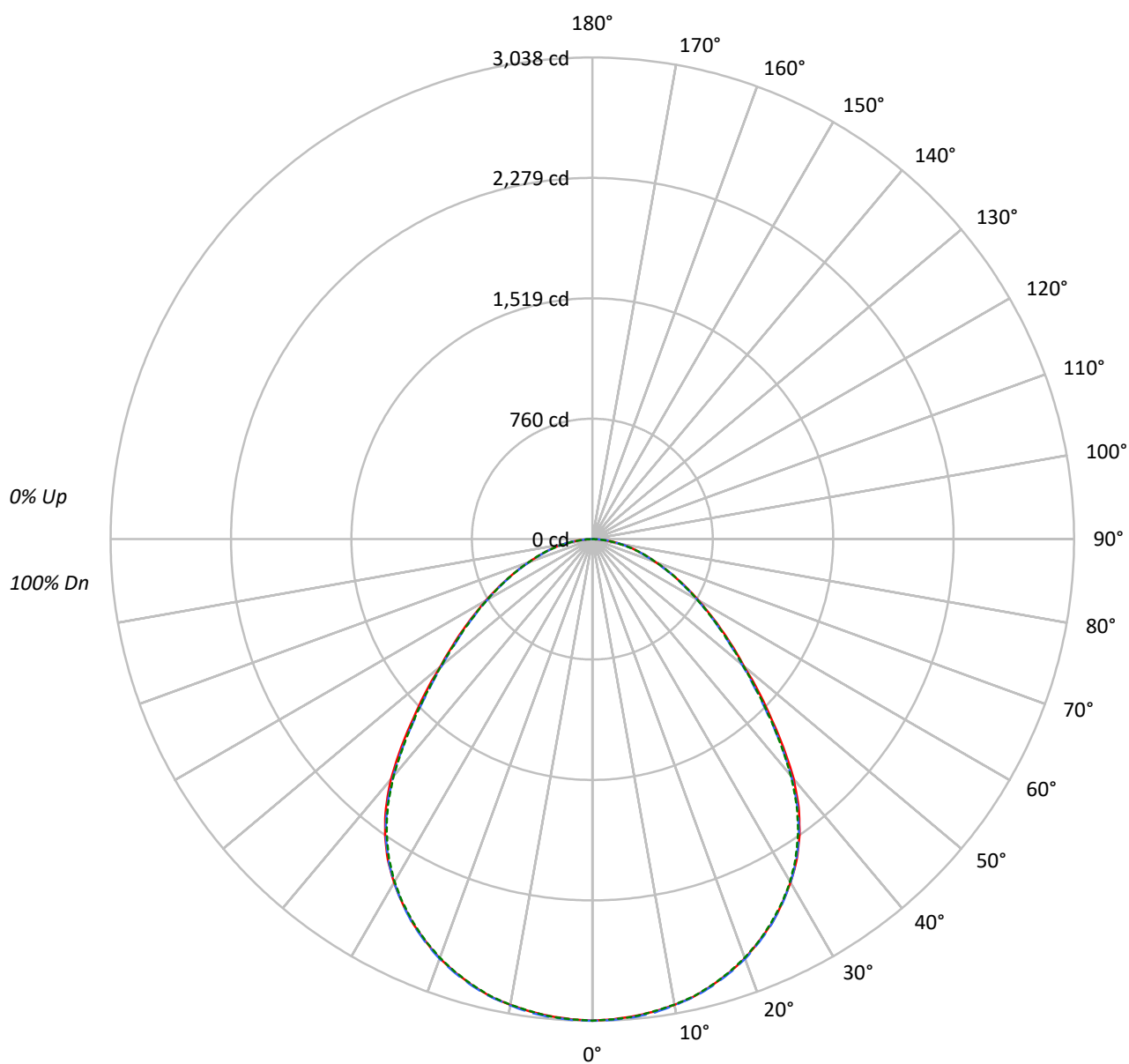
Lumens per Lamp: N/A
Luminaire Lumens: 6844.6 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4087	4087	4087
5°	4079	4088	4082
10°	4076	4079	4073
15°	4060	4066	4057
20°	4028	4034	4022
25°	3972	3975	3962
30°	3885	3885	3875
35°	3743	3732	3715
40°	3469	3431	3419
45°	3032	2982	2995
50°	2617	2586	2599
55°	2326	2291	2296
60°	2083	2054	2054
65°	1867	1853	1860
70°	1679	1662	1679
75°	1558	1536	1558
80°	1454	1437	1386
85°	1232	1232	1098

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3032 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	4.2
10°-20°	822.9	12.0
20°-30°	1231.3	18.0
30°-40°	1410.7	20.6
40°-50°	1220.1	17.8
50°-60°	883.0	12.9
60°-70°	581.6	8.5
70°-80°	316.6	4.6
80°-90°	90.8	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2341.8	34.2
0°-40°	3752.5	54.8
0°-60°	5855.6	85.6
0°-90°	6844.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6844.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3038	3038	3038	3038	3038	
5°	3020	3027	3027	3027	3022	287
15°	2915	2917	2919	2923	2912	822
25°	2675	2675	2678	2680	2669	1231
35°	2279	2277	2272	2270	2262	1416
45°	1593	1589	1567	1565	1574	1234
55°	992	987	977	970	979	893
65°	586	591	582	578	584	585
75°	300	300	295	295	300	319
85°	80	80	80	82	71	92
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3037.6	3037.6	3037.6	3037.6	3037.6
2.5°	3031.1	3037.6	3035.4	3037.6	3031.1
5°	3020.3	3026.8	3026.8	3026.8	3022.5
7.5°	3005.2	3009.6	3011.7	3013.9	3003.1
10°	2983.7	2988.0	2985.8	2990.2	2981.5
12.5°	2955.7	2955.7	2957.8	2962.1	2953.5
15°	2914.7	2916.9	2919.0	2923.3	2912.5
17.5°	2867.3	2869.4	2871.6	2873.7	2865.1
20°	2813.4	2813.4	2817.7	2819.8	2809.1
22.5°	2746.5	2746.5	2750.9	2757.3	2744.4
25°	2675.4	2675.4	2677.6	2679.7	2668.9
27.5°	2591.3	2591.3	2593.5	2599.9	2587.0
30°	2500.8	2498.6	2500.8	2502.9	2494.3
32.5°	2399.5	2397.3	2395.1	2397.3	2386.5
35°	2278.7	2276.6	2272.3	2270.1	2261.5
37.5°	2138.6	2134.3	2125.7	2125.7	2117.0
40°	1974.8	1964.0	1953.2	1948.9	1946.7
42.5°	1785.0	1776.4	1761.3	1759.2	1759.2
45°	1593.2	1588.9	1567.3	1565.1	1573.8
47.5°	1420.7	1409.9	1390.5	1386.2	1399.1
50°	1250.4	1252.5	1235.3	1228.8	1241.8
52.5°	1116.7	1112.4	1097.3	1093.0	1103.8
55°	991.7	987.4	976.6	970.1	978.8
57.5°	877.4	875.3	864.5	862.3	866.6
60°	773.9	771.8	763.2	761.0	763.2
62.5°	676.9	676.9	668.3	664.0	670.5
65°	586.4	590.7	582.1	577.8	584.2
67.5°	504.5	508.8	500.2	495.8	504.5
70°	426.9	431.2	422.5	418.2	426.9
72.5°	360.0	362.2	355.7	353.6	364.3
75°	299.7	299.7	295.4	295.4	299.7
77.5°	243.6	241.5	239.3	239.3	235.0
80°	187.6	185.4	185.4	185.4	178.9
82.5°	133.7	129.4	131.5	133.7	122.9
85°	79.8	79.8	79.8	81.9	71.1
87.5°	32.3	32.3	30.2	32.3	28.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)